

INTERNATIONAL SEARCH REPORT

International Application No.

T/US2004/024993

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60N2/06 B60N2/20 B60N2/30 B60N2/015

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 940 288 A (MAZDA MOTOR) 8 September 1999 (1999-09-08)	1,2
Y	column 5, paragraphs 17,18 column 6, paragraphs 22,23; figures 1-5	3
Y	US 6 213 525 B1 (NICOLA KIRK M) 10 April 2001 (2001-04-10)	3
A	column 4, line 16 - line 18; figure 1	1,2
X,P	US 6 648 393 B1 (MILNAR JAMES B ET AL) 18 November 2003 (2003-11-18) abstract; figures 1-14	1,2
A	EP 1 329 355 A (BROSE FAHRZEUGTEILE) 23 July 2003 (2003-07-23) abstract; figure 1	1
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

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P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

20 October 2004

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27/10/2004

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INTERNATIONAL SEARCH REPORT

national Application No

T/US2004/024993

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 2 645 810 A (PEUGEOT ; CITROEN SA (FR)) 19 October 1990 (1990-10-19) abstract; figures -----	1
A	US 6 270 140 B1 (FIEROH LAWRENCE A ET AL) 7 August 2001 (2001-08-07) abstract; figures 1-5 -----	1
A	FR 2 735 081 A (PEUGEOT) 13 December 1996 (1996-12-13) abstract; figures 1-8 -----	1
A	EP 0 970 844 A (JOHNSON CONTROLS GMBH) 12 January 2000 (2000-01-12) abstract; figures 1-4 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/024993

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0940288	A	08-09-1999	JP 11245695 A	14-09-1999
			EP 0940288 A2	08-09-1999
			US 2002153740 A1	24-10-2002
			US 6129405 A	10-10-2000
			US 2002011737 A1	31-01-2002
US 6213525	B1	10-04-2001	CA 2271562 A1	15-11-1999
US 6648393	B1	18-11-2003	NONE	
EP 1329355	A	23-07-2003	DE 10027063 A1	06-12-2001
			WO 0189873 A1	29-11-2001
			EP 1289793 A1	12-03-2003
			EP 1329355 A1	23-07-2003
			US 2004075292 A1	22-04-2004
FR 2645810	A	19-10-1990	FR 2645810 A1	19-10-1990
US 6270140	B1	07-08-2001	DE 69820876 D1	05-02-2004
			DE 69820876 T2	14-10-2004
			EP 0996554 A1	03-05-2000
			EP 1003404 A1	31-05-2000
			WO 9903702 A1	28-01-1999
			WO 9903703 A1	28-01-1999
			WO 9903377 A1	28-01-1999
			US 6378941 B1	30-04-2002
FR 2735081	A	13-12-1996	FR 2735081 A1	13-12-1996
EP 0970844	A	12-01-2000	DE 29810333 U1	14-10-1999
			EP 0970844 A1	12-01-2000